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ABSTRACT OF THE DISCLOSURE

[The invention relates to a] A fuel delivery system for an internal combustion engine, having a fuel feed pump [(10)], which delivers fuel which is at pilot pressure to a high- pressure fuel pump [(11)] that communicates on the high- pressure side with at least one injection valve [(14)], in order to deliver fuel at high pressure to the injection valve or valves [(14)]. To prevent vapor bubble development in the high- pressure fuel pump [(11)], which impairs its pumping capacity and pressure generation, [it is provided according to the invention that] a coolant medium flow can be delivered to the high-pressure fuel pump [(11)] via at least one coolant conduit [(21, 31)], in order to keep the temperature (T_{HDP}) of the high-pressure fuel pump [(11)] below a critical operating temperature (T_{k1}).

[(Fig. 1)]